

Water-Data Report 2008

404339074045401 Local number 170015- MW143

 Sand and gravel aquifers (glaciated regions)
 Stratified Drift

Hudson County, NJ

LOCATION.--Lat 40°43'39", long 74°04'54" referenced to North American Datum of 1927, Jersey City, Hudson County, NJ, Hydrologic Unit 02030103.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 21.6 ft. Upper casing diameter 2 in; top of first opening 11.6 ft, bottom of last opening 21.6 ft.

DATUM.--Land-surface datum is 25 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2004, 2008.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 5. Urban Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Time	Depth to water level, feet below	Pump or flow rate, gal/min	Turbdty white light, 90+-30 det ang	Baro-metric pres-ure, mm Hg	Dis-solved oxygen, mg/L	Dis-solved oxygen, percent of saturation	pH, unfltrd field, std units	Specif-ic conduc-tance, µS/cm	Temper-ature, wat unf deg C	Hard-ness, water, mg/L as CaCO3	Calci-um, water, mg/L
	LSD (72019)	instantaneous	instantaneous	NTRU to sam-pling, minutes	(72004)	(63676)	(00025)	(00300)	(00400)	(00095)	(00010)	(00900)
Apr 28...	1000	10.40	.50	45	1.3	759	3.0	27	5.6	741	12.5	150
												35.2

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Magnes-ium, water, fltrd, mg/L	Potas-sium, water, fltrd, mg/L	Sodium, water, fltrd, mg/L	ANC, wat unf fixed	Alka-linity, wat flt	Bicar-bonate, wat flt	Chlor-ide, infl tit	Fluor-ide, titr., field, titr.	Silica, water, filtrd, mg/L	Sulfate, water, filtrd, mg/L	Residue water, sum of constituents, SiO2	Residue water, evap. at 180degC	Ammonia + org-N, water, mg/L as N
	(00925)	(00935)	(00930)	(90410)	(39086)	(00453)	(00450)	(00940)	(00950)	(00945)	(00955)	(70301)	(70300)
Apr 28...	14.9	1.30	100	24	19	24	171	E.10	27.7	93.5	E470	500	.15

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Nitrate + Ammonia water, filtrd, mg/L as N (00608)		Nitrite water, filtrd, mg/L as N (00631)	Ortho- phos- phate, water, filtrd, mg/L as N (00613)		Organic water, filtrd, mg/L as P (00671)	Alum- inum, water, filtrd, mg/L (00681)	Anti- mony, water, filtrd, μg/L (01095)	Arsenic water, filtrd, μg/L (01000)	Barium, water, filtrd, μg/L (01005)	Beryll- ium, water, filtrd, μg/L (01010)	Boron, water, filtrd, μg/L (01020)	Cadmium water, filtrd, μg/L (01025)	Chrom- ium, water, filtrd, μg/L (01030)
Apr 28...	<.020	2.90	<.002	.017	2.2	16.6	<.14	.25	28	.13	52	.25	.25	.25

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Copper, water, filtrd, μg/L (01040)	Iron, water, filtrd, μg/L (01046)	Lead, water, filtrd, μg/L (01049)	Manganese, water, filtrd, μg/L (01056)	Mercury water, filtrd, μg/L (71890)	Nickel, water, filtrd, μg/L (01065)	Selenium, water, filtrd, μg/L (01145)	Silver, water, filtrd, μg/L (01075)	Thallium, water, filtrd, μg/L (01057)	Zinc, water, filtrd, μg/L (01090)	1-Naphthalen, water, filtrd, 0.7u GF (49295)	2,6-Diethylaniline, water, filtrd, 0.7u GF (82660)	2-Chloroacetyl- anilide, water, filtrd, μg/L (61618)	
Apr 28...	E.60	117	<.08	1,340	<.010	12.4	.41	<.1	<.04	15.5	<.04	<.006	<.010	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	2-Ethyl -6-methyl- CIAT, water, filtrd, μg/L (04040)	3,4-Di- chloro- aniline, water, filtrd, μg/L (61620)	3,5-Di- chloro- aniline, water, filtrd, μg/L (61625)	4-Chloro- 2methyl phenol, water, filtrd, μg/L (61627)	Aceto- chlor, water, filtrd, μg/L (61633)	Alpha- Endo- sulfan, water, filtrd, μg/L (49260)	Atra- zine, water, filtrd, μg/L (46342)	Azinophos- methoxon, water, filtrd, μg/L (34362)	Azinophos- methyl, water, filtrd, μg/L (39632)	Azinophos- methyl, water, filtrd, μg/L (61635)	Azinophos- methyl, water, filtrd, μg/L (82686)	Azinophos- methyl, water, filtrd, μg/L (82673)	Benzofuran, water, filtrd, μg/L (82680)	
Apr 28...	<.014	<.010	<.006	<.008	<.005	.009	<.006	<.006	.019	<.04	<.120	<.010	<.060	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Carbo-furan, water, fltrd, 0.7u GF μg/L (82674)	Chlor-pyrifos oxon, water, fltrd, 0.7u GF μg/L (82674)	Chlor-pyrifos water, fltrd, 0.7u GF μg/L (82687)	cis-Per-methrin methrin water, fltrd, 0.7u GF μg/L (79846)	cis-Propi-conazole, water, fltrd, 0.7u GF μg/L (04041)	Cyana-zine, water, fltrd, 0.7u GF μg/L (61585)	Cyflu-thrin, water, fltrd, 0.7u GF μg/L (61595)	Iambda-thrin, water, fltrd, 0.7u GF μg/L (61586)	Cyperi-methrin water, fltrd, 0.7u GF μg/L (82682)	DCPA, water, fltrd, 0.7u GF μg/L (62170)	Desulf-inyl-fipro-nil, water, fltrd, 0.7u GF μg/L (39572)	Diazi-non, water, fltrd, 0.7u GF μg/L (38454)	
Apr 28...	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	<.012	<.005	<.08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Diel-drin, water, fltrd, 0.7u GF μg/L (39381)	Dimeth-oate, water, fltrd, 0.7u GF μg/L (82662)	Disulf-ton sulfone water, fltrd, 0.7u GF μg/L (61640)	Disulf-ton, water, fltrd, 0.7u GF μg/L (82677)	Endo-sulfan sulfate water, fltrd, 0.7u GF μg/L (61590)	EPTC, water, fltrd, 0.7u GF μg/L (82668)	Ethion monoxon water, fltrd, 0.7u GF μg/L (61644)	Ethion, water, fltrd, 0.7u GF μg/L (82346)	Etho-prop, water, fltrd, 0.7u GF μg/L (82672)	Fenami-phos sulfone water, fltrd, 0.7u GF μg/L (61645)	Fenami-phos sulf oxide, water, fltrd, 0.7u GF μg/L (61646)	Desulf-inyl-fipro-nil water, fltrd, 0.7u GF μg/L (61591)	
Apr 28...	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03	<.029

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Fipro-nil sulfide water, fltrd, 0.7u GF μg/L (62167)	Fipro-nil sulfone water, fltrd, 0.7u GF μg/L (62168)	Fipro-nil water, fltrd, 0.7u GF μg/L (62166)	Fonofos water, fltrd, 0.7u GF μg/L (04095)	Hexa-zinone, water, fltrd, 0.7u GF μg/L (04025)	Ipro-dione, water, fltrd, 0.7u GF μg/L (61593)	Isofen-phos water, fltrd, 0.7u GF μg/L (61594)	Mala-oxon, water, fltrd, 0.7u GF μg/L (61652)	Mala-thion, water, fltrd, 0.7u GF μg/L (39532)	Meta-laxyl, water, fltrd, 0.7u GF μg/L (61596)	Methid-athion, water, fltrd, 0.7u GF μg/L (61598)	Methyl-paraoxon, water, fltrd, 0.7u GF μg/L (61664)	
Apr 28...	E.008	E.008	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01	<.008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Metola-chlor, water, filtrd, μg/L (39415)	Metri-buzin, water, filtrd, μg/L (82630)	Moli-nate, water, filtrd, 0.7u GF μg/L (82671)	Myclo-butanol, water, filtrd, μg/L (61599)	Oxy-fluor-fen, water, filtrd, 0.7u GF μg/L (61600)	Pendi-meth-alin, water, filtrd, 0.7u GF μg/L (82683)	Phorate oxon, water, filtrd, 0.7u GF μg/L (61666)	Phorate water, filtrd, 0.7u GF μg/L (82664)	Phosmet water, filtrd, 0.7u GF μg/L (61601)	Prome-ton, water, filtrd, 0.7u GF μg/L (04037)	Prome-tryn, water, filtrd, 0.7u GF μg/L (04036)	Propy-zamide, water, filtrd, 0.7u GF μg/L (82676)	Pro-pamid, water, filtrd, 0.7u GF μg/L (82679)
Apr 28...	E.009	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.008	<.01	<.006	<.004	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Propar-gite, water, filtrd, 0.7u GF μg/L (82685)	Sima-zine, water, filtrd, 0.7u GF μg/L (04035)	Tebu-thiuron, water, filtrd, 0.7u GF μg/L (82670)	Teflu-thrin, water, filtrd, 0.7u GF μg/L (61606)	Terbu-sulfone, water, filtrd, 0.7u GF μg/L (61674)	Terbu-oxon, water, filtrd, 0.7u GF μg/L (82675)	Ter-buthyl-fos, water, filtrd, 0.7u GF μg/L (04022)	Thio-bencarb, water, filtrd, 0.7u GF μg/L (82681)	trans-conazole, water, filtrd, 0.7u GF μg/L (79847)	Propi-phos, water, filtrd, 0.7u GF μg/L (61610)	Tribu-alin, water, filtrd, 0.7u GF μg/L (82661)	Tri-flur-alin, water, unfiltrd, 0.7u GF μg/L (34506)	1,1,1-tri-chloro-ethane, water, unfiltrd, 0.7u GF μg/L (77652)
Apr 28...	<.04	<.006	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	1,1-Di-chloro-ethane, water, unfiltrd, μg/L (34496)	1,1-Di-chloro-ethene, water, unfiltrd, μg/L (34501)	1,2-Di-chloro-benzene, water, unfiltrd, μg/L (34536)	1,2-Di-chloro-ethane, water, unfiltrd, μg/L (32103)	1,2-Di-chloro-propane, water, unfiltrd, μg/L (34541)	1,3-Di-chloro-benzene, water, unfiltrd, μg/L (34566)	1,4-Di-chloro-benzene, water, unfiltrd, μg/L (34571)	Benzene	Bromo-di-chloro-methane, water, unfiltrd, μg/L (34030)	Tri-bromo-methane, water, unfiltrd, μg/L (32101)	Chloro-benzene, water, unfiltrd, μg/L (32104)	cis-1,2-Di-chloro-ethene, water, unfiltrd, μg/L (34301)	Di-bromo-chloro-methane, water, unfiltrd, μg/L (77093)	
Apr 28...	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Di-chloro-di-fluoro-methane	Di-chloro-methane water, wat unf	Di-chloro-ether, water, unfltrd	Diisopropyl ether, water, unfltrd	Ethyl-benzene	Methyl-tert-pentyl ether, water, unfltrd	meta-+ para-Xylene, water, unfltrd	o-Xylene, water, unfltrd	Styrene	t-Butyl-ether, water, unfltrd	Methyl-t-butyl-ether, water, unfltrd	Tetra-chloro-ethene, water, unfltrd	Tetra-chloro-methane water, unfltrd
	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (50005)	µg/L (85795)	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (78032)	µg/L (34475)	µg/L (32102)
Apr 28...	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2	<.1	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	trans-1,2-Di-chloro-ethene, water, wat unf	Tri-chloro-ethene, water, unfltrd	Tri-chloro-fluoro-methane	Tri-chloro-methane	Vinyl-chloride, water, unfltrd	Di-chloro-vos, water, fltrd,	Alpha-radioac 30 day, Th-230, pCi/L (62639)	Alpha-radioac 72 hr, wat flt, Th-230, pCi/L (62636)	Beta-radioac 30 day, wat flt, Cs-137, pCi/L (62645)	Beta-radioac 72 hr, wat flt, Cs-137, pCi/L (62642)	
	µg/L (34010)	µg/L (34546)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)	
Apr 28...	<.1	<.1	<.1	<.2	<.1	<.2	<.01	R-1.3	R.9	R.6	1.3